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PTO/SB/21 (02-04)

Approved for use through 07/31/2008. OMB 0651-0031

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/733,017
	Filing Date	12/11/2003
	First Named Inventor	John Renshaw ET AL.
	Art Unit	3747
	Examiner Name	Erick R. Solis
	Attorney Docket Number	03-427
Total Number of Pages in This Submission		

ENCLOSURES (Check all that apply)

- | | | |
|--|--|---|
| <input type="checkbox"/> Fee Transmittal Form
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<input type="checkbox"/> Affidavits/declaration(s)
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| Remarks | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	W. Bryan McPherson III, Registration No. 41,988
Signature	May 17, 2005
Date	May 17, 2005

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope address to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on this date: 05/17/2005

Typed or printed name	W. Bryan McPherson III
Signature	W. Bryan McPherson III
Date	May 17, 2005

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PTO/SB/17 (05-03)

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**FEE TRANSMITTAL
for FY 2003**

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 180**Complete if Known**

Application Number	10/733,017
Filing Date	12/11/2003
First Named Inventor	John Renshaw ET AL.
Examiner Name	Erick R. Solis
Art Unit	3747
Attorney Docket No.	03-427

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None☒ Deposit Account

Deposit

Account Number 03-1129

Deposit

Account

Name

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☐ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1001	790	Utility filing fee	
		1002	350	Design filing fee	
		1003	530	Plant filing fee	
		1004	790	Reissue filing fee	
		1005	180	Provisional filing fee	

SUBTOTAL (1) (\$) 0**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
	-20** =		
Independent Claims	-3** =		
Multiple Dependent			

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1202	18	Claims in excess of 20	
		1201	88	Independent claims in excess of 3	
		1203	290	Multiple dependent claim, if not paid	
		1204	88	**Reissue independent claims over original patent	
		1205	18	**Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$) 0

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920	1804	920	Requesting publication of SIR prior to Examiner action	
1805	1,840	1805	1,840	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	430	2252	210	Extension for reply within second month	
1253	980	2253	475	Extension for reply within third month	
1254	1,530	2254	740	Extension for reply within fourth month	
1255	2,060	2255	1,005	Extension for reply within fifth month	
1401	340	2401	165	Notice of Appeal	
1402	340	2402	165	Filing a brief in support of an appeal	
1403	300	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,370	2453	685	Petition to revive - unintentional	
1501	1,370	2501	685	Utility issue fee (or reissue)	
1502	490	2502	240	Design issue fee	
1503	660	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1808	180	1808	180	Submission of Information Disclosure Stmt	180
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	790	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	790	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180**SUBMITTED BY**

(Complete if applicable)

Name (Print/Type)	W. Bryan McPherson III	Registration No. (Attorney/Agent)	41,988	Telephone	(309) 675-4015
Signature	W. Bryan McPherson III	Date	05/17/2005		

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)	Group Art Unit: 3747
JOHN RENSHAW, ET AL.)	Examiner: Erick R. Solis
Application Number: 10/733,017)	
Filed: December 11, 2003)	Date of Notice of
Title: ADAPTIVE FUEL INJECTOR)	Allowance: March 11, 2005
TRIMMING DURING A ZERO FUEL)	
CONDITION)	
Attorney Docket No.: 03-427)	

Peoria, Illinois 61629-6490

May 17, 2005

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

The following information and attached material are submitted for the Examiner's consideration relative to one or more of the claims in the above-identified application. A copy of a foreign search report is included to explain the relevance of the non-English citation(s) cited therein. A PTO 1449 (SB08) form and a copy, if required, of each item listed thereon are attached.

The undersigned certifies that each item of information listed on the attached PTO 1449 (SB08) was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this statement.

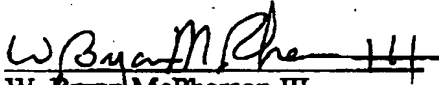
05/23/2005 TBESHAH1 00000015 031129 10733017

01 FC:1806 180.00 DA

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The undersigned hereby petitions the Commissioner to consider, under 37 CFR § 1.97(d), this information disclosure statement. Two copies of the fee transmittal sheet are enclosed.

Respectfully submitted,


W. Bryan McPherson III
Registration No. 41,988
Caterpillar Inc.

Telephone: (0-11) 44-173-358-4346
WBM:dmc
Enc.

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PTO/SB/08A (02-03)
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 Complete if Known

Substitute for form 1040/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	10/733,017
Filing Date	12/11/2003
First Named Inventor	John Renshaw ET AL.
Art Unit	3747
Examiner Name	Erick R. Solis
Attorney Docket Number	03-427

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered
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Signature

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinda Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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